

# ***Minutes: Metering Systems and Meter Reading Subcommittee Meeting***

**Thursday, March 16, 2000, 9:00 a.m.**  
Salt River Project - 1600 North Priest Dr. Tempe, Arizona 85281

	<i><b>Topic</b></i>	<i><b>Lead</b></i>	<i><b>Outcome</b></i>	<i><b>Att.</b></i>
1	Welcome, Intro, Sign-In	Stacey Aguayo	Stacey Aguayo welcomed members to the meeting. Participants introduced themselves. The following documents were passed out at this time: updated Issues List and Meter Data Comparison (Ideal Data Elements). The group agreed to move agenda item #8 up to between items 4 and 5.	1
2	Review Ground Rules	Stacey Aguayo	Participants reviewed the subcommittee's ground rules.	
3	Review Minutes from Subcommittee Meeting (2/17/2000)	Stacey Aguayo	Minutes from the February 17, 2000 subcommittee meeting were reviewed and no changes were made.	
4	Discuss/Resolve Issue #s 33, 64, and 65	Stacey Aguayo	Participants discussed these three issues. Issue number 33, regarding site access issues, was set as pending resolution and if not changed at the next meeting, it will be considered resolved. Issue #s 64 and 65 both required additional consideration. See Attachment 2 for more details regarding these three issues.	2
5	Discuss ESP Proposal for Meter Exchange and Scheduling	Stacey Aguayo	UDCs provided their comments on the previously provided handout containing the ESP's proposal for meter exchange and scheduling. The UDCs provided comments on this proposal. UDC comments are contained in Attachment 3. Jim Wontor provided a Alternative ESP Proposal Re: Meter Exchange Blackout Period handout. The ESPs agreed to prepare a hybrid proposal on meter exchanges before the March 30, 2000 meeting.	3
6	Discuss Ideal Data Elements	Stacey Aguayo	Participants discussed the most recent version of this document and changes to several fields were discussed. The UDCs are still working on this document and an updated version will be sent out before the next meeting.	
7	Review/Comment on draft forms	Stacey Aguayo	The UDCs were not finished with the strawman forms, so this item was postponed until the March 30, 2000 meeting.	
8	Review UDC Business Rule Comparison	Stacey Aguayo	Participants reviewed the UDC business rule comparison. An updated version of this will be sent out before the next meeting. The question of how to deal with damaged CT/PT(VT)s will be added to the UDC business rules comparison. The issue of CT/PT(VT) ownership was discussed including several entities reporting on how the issue is being addressed in other states. Marv Buck provided a handout on how CT/PT(VT) issues are being addressed in Illinois, New York, and Pennsylvania. Participants agreed to take the information provided back to their companies for further consideration. At the end of the meeting Marv Buck provided the committee chairs with an e-mail from Phaser regarding its current position on CT/PT(VT) ownership.	
9	Items for Next Meeting (agenda)	Stacey Aguayo	The agenda for the next meeting was created. See the agenda in Attachment 4.	4

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|----|---------------------------------------|---------------|---|
| 10 | Feedback of Meeting from Subcommittee | Stacey Aguayo | Participants gave feedback about the meeting. |
| 11 | Adjourn                               | Stacey Aguayo | The meeting adjourned at 4:00 p.m.            |

Homework: In addition to homework noted elsewhere, the UDCs will finish preparing the strawman forms for the commercial customer switching from bundled service to direct access scenario.

Attachment 1- Metering Systems and Meter Reading Subcommittee

**ARIZONA PROCESS STANDARDIZATION WORKING GROUP**  
**Metering Systems and Meter Reading Subcommittee**  
**March 2, 2000 Attendance List**

Subcommittee Meeting Attendees	Organization
Aguayo, Stacey	Arizona Public Service
Arrison, Jamie	Schlumberger
Aycock, Kimarie	Arizona Public Service
Bertling, Priscilla	City of Mesa
Buck, Marvin	Computer Sciences Corp.
Carrel, Greg	Salt River Project
Castillo, Renee	Salt River Project
Cobb, Anne	Trico Electric Cooperative
Diaz, Deborah	Tucson Electric Power
Gallo, John	Salt River Project
Goggin, Laurie	City of Mesa (committee staff)
Gray, Bob	Arizona Corporation Commission
Greenrock, June	Salt River Project
Grove, Ken	APS Energy Services
Hughes, Dennis	Navopache Electric Cooperative
Michaud, Paul	Martinez and Curtis
Molina, Rick	Tucson Electric Power
Mollon, Janie	New West Energy
Norton, Tom	First Point Services
Schenk, Jenine	Arizona Public Service
Sheehey, Joe	Tucson Electric Power
Slechtta, Eugene	Salt River Project
Taylor, Judy	Tucson Electric Power
Webster, Joe	Arizona Public Service
Wontor, Jim	APS Energy Services

**Activities at March 16, 2000 Subcommittee Meeting Regarding Issue #s 33, 64 and 65**

Issues (with Issue Number)	Activities
#33 - Site access issues	<p>After discussion, the group agreed that:</p> <ol style="list-style-type: none"> <li>1. If the existing lock is a UDC lock, it can be cut by the ESP/MSP and a double hasp would be put in.</li> <li>2. If the existing lock is a customer lock, the ESP/MSP can cut the lock and replace it. The customer would then be responsible to provide the UDC with a key.</li> <li>3. Information would be put on the MERN form in the remarks section.</li> </ol>
#64 - Decimal places in reads	<p>The main concern was the consistency of bills if a different number of decimal places are used by different parties. An action item was designated for the March 30, 2000 subcommittee meeting for people to check with their companies to see if they can live with two decimal places for the KW read.</p>
#65 - Passing of billing reads	<p>After some discussion the facilitator had the UDCs and the ESP/MRSPs identify their wants and concerns regarding this issue.</p> <p>The UDC wants are: Trico, Navopache, APS, and TEP - interval data and reads SRP - interval data</p> <p>The UDC concerns are:</p> <ol style="list-style-type: none"> <li>1. Wanting to provide an accurate bill.</li> <li>2. Consistency in billing.</li> <li>3. Reliability and integrity of data.</li> <li>4. For most UDCs the CIS system bills off of read data.</li> <li>5. Having both read and interval data for a crosscheck.</li> </ol> <p>The ESP/MRSP wants are:</p> <ol style="list-style-type: none"> <li>1. Consistency in billing.</li> <li>2. Accuracy in bill.</li> <li>3. Only pass interval data.</li> </ol> <p>The ESP/MRSP concerns are:</p> <ol style="list-style-type: none"> <li>1. Cost to generate required data.</li> <li>2. Passing both types of data does not appear to be "standard/best" practice.</li> <li>3. VEE rules might need tightening.</li> <li>4. Cost might hinder customers from moving to direct access.</li> </ol> <p>Possible options regarding this issue include:</p> <ol style="list-style-type: none"> <li>1. Change VEE rules.</li> <li>2. Suggest process for addressing exceptions.</li> <li>3. Suggest process to reconcile exceptions (MADEN).</li> <li>4. ID measurement/performance monitoring system.</li> <li>5. Consider combination of calculated and register reads.</li> <li>6. Consider dual reads on large accounts only.</li> </ol> <p>A subcommittee headed by Marv Buck was appointed to address this issue and provide a strawman proposal to the metering subcommittee at the March 14, 2000 meeting. The Issue #65 subcommittee includes Marv Buck, Janie Mollon, Ken Grove, Tim Jones, Kimarie Aycock, Joe Webster, Darrell Shaw, Greg Carrel, and a TEP representative.</p>

**UDC Comments on ESP Proposal for Meter Exchange and Scheduling**

UDC	Comments
APS	Not able to read third party meters due to meter protocols. Change switchtime to 00:00.
SRP	Proposal shortens current exchange window. Wants MRSP to take final read. Presents slight but workable problems for DASR process. Creates blackout window.
TEP, Navopache	OK except MRSP takes second final read.
Trico	OK except would like two days to read meter or OK if MRSP reads meter.

## Attachment 4 - Metering Systems and Meter Reading Subcommittee

### ***Agenda: Metering Systems and Meter Reading Subcommittee Meeting***

**Thursday, March 30, 2000, 9:00 a.m. - 4:00 p.m. – 1600 North Priest Dr. Tempe, Arizona, Salt River Project Information Systems Building**

	<b><i>Topic</i></b>	<b><i>Lead</i></b>	<b><i>Anticipated Outcome</i></b>	<b><i>Att.</i></b>
1	Welcome, Introductions, Sign-In	Stacy Aguayo	Chair will deliver opening remarks. Committee members will sign the attendance sheet and introduce themselves .	
2	Review Ground Rules	Stacy Aguayo	Chair will review ground rules with the group.	
3	Review minutes from the prior meeting (March 16, 2000)	Stacy Aguayo	Subcommittee members will review the minutes from the previous meeting and make suggestions on any revisions that need to be made.	
4	Discuss/resolve issue # 64	Stacy Aguayo	Subcommittee members will discuss and if possible resolve issue #64 , related to use of decimal places in reads.	
5	ESP revised proposal on meter switches	Stacy Aguayo	Subcommittee members will discuss a revised ESP proposal for meter exchange and scheduling.	
6	Review ideal data elements	Stacy Aguayo	Subcommittee members will discuss the ideal data elements.	
7	Review miscellaneous information from UDCs.	Stacy Aguayo	Subcommittee members will discuss information provided by the UDCs on various metering related issues.	
8	Review/Comment on draft forms	Stacy Aguayo	Subcommittee members will discuss the strawman forms the UDCs create for the commercial customer switching from bundled service to direct access scenario.	
9	Items for Next Meeting (Agenda)	Stacy Aguayo	The agenda for the next meeting will be developed.	
10	Feedback of meeting from Subcommittee	Stacy Aguayo	Subcommittee members will give their opinions on the meeting.	
11	Adjourn	Stacy Aguayo	The meeting will be adjourned.	